



Establishing Effective High School Outreach Programs



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Lessons Learned



- Southern California Biotech Center
 - Late 90s to early 2000s
 - Visited classrooms with activities in middle school and high school
- High School Biotechnology Classes
 - College prep designation

Outreach



- Amgen Biotech Experience

- <https://www.amgenbiotechexperience.com/>

- Gene to protein; bench-scale

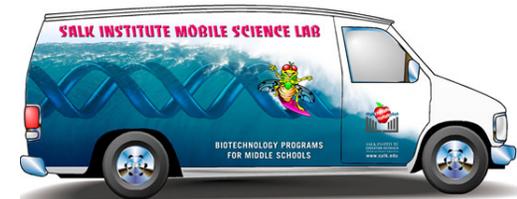
- Salk Mobile Science Laboratory

- http://www.salk.edu/about/education_outreach.html

- DNA extraction and separation

- MiraCosta's Role

- Kit maintenance



MiraCosta-SigmaAldrich Outreach Center



- Funding
 - Sigma-Aldrich Global Citizenship Program
- Equipment for Kits
 - Amgen Biotech Experience: ~\$20k of equipment
 - Salk: ~\$3k
- Sustainability
 - Service Learning